

Converting Colors

CIELCh(70, 41.889, 50.889)

Have a look what the booklet for
CIELCh(70, 41.889, 50.889) contains.

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Color

CIELCh(70, 42.170, 51.432)

Conversions

Conversions Part 1

Format	Color
Hex	E99871
RGB	233, 152, 113
RGB Percent	91%, 60%, 44%
CMY	0.0881, 0.4055, 0.5584
CMYK	0.00, 0.35, 0.52, 0.09
HSL	20°, 73%, 68%
HSV	20°, 52%, 91%
XYZ	47.5702, 40.7494, 20.8645
YIQ	171.7730, 60.7950, 5.0430

Conversions

Conversions Part 2

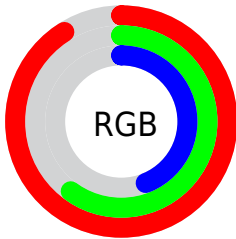
Format	Color
R _Y B	233, 171, 113
Decimal	15308913
CIE Lab	70.00, 26.29, 32.97
CIE LCh	70, 42.170, 51.432
Yxy	40.7494, 0.4357, 0.3732
Android (android.graphics.Color)	4293498993 (0xFFE99871)
YUV	171.7730, -28.9751, 53.6961
Hunter-Lab	63.8353, 21.3070, 25.3058

Details

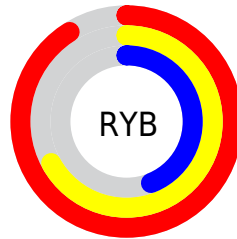
The CIELCh color **70, 42.170, 51.432** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **75, 30.506, 242.258**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 29.518, 67.501**, and **50, 42.325, 51.265** is the 20% darker color. If you saturate the color by 10%, you get **66, 52.144, 51.082**, and if you desaturate by 10%, it is **74, 32.746, 51.886**.

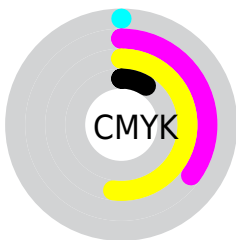
Distribution



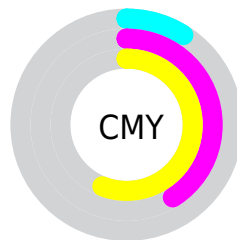
- Red (91%)
- Green (60%)
- Blue (44%)



- Red (91%)
- Yellow (67%)
- Blue (44%)



- Cyan (0%)
- Magenta (35%)
- Yellow (52%)
- Black (9%)



- Cyan (9%)
- Magenta (41%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 42.170, 51.432 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 70, 42.170, 51.432 by changing the saturation by 10% instead.

 70, 42.170, 51.432

 70, 42.170, 51.432

 100, 42.170,
51.432

 60, 42.170, 51.432

 90, 42.170, 51.432

 50, 42.170, 51.432

 40, 42.170, 51.432

 30, 42.170, 51.432


 20, 42.170, 51.432

 10, 42.170, 51.432

 0, 42.170, 51.432

 70, 42.170, 51.432

 70, 42.170, 51.432

 66, 52.144, 51.082

 74, 32.746, 51.886

63, 62.469, 50.774

78, 23.942, 52.432

59, 72.645, 50.358

83, 15.753, 53.059

56, 81.612, 49.465

87, 8.144, 53.731

54, 87.459, 48.175

91, 1.064, 54.034

96, 5.541, 235.433

98, 7.678, 199.006

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



70, 42.170, 51.432



75, 30.506, 242.258

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 42.170, 51.432



70, 42.170, 101.432



70, 42.170, 231.432



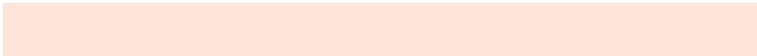
70, 42.170, 281.432

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



70, 42.169, 51.436



93, 11.522, 53.495



64, 60.023, 339.163



48, 7.923, 53.351



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70, 42.169, 51.436



72, 56.722, 51.059



84, 51.021, 95.300



47, 3.995, 53.871



43, 72.086, 48.739



10, 23.260, 43.561

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



75, 30.506, 242.258



78, 37.854, 245.245



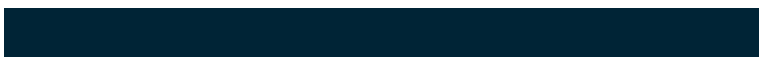
59, 55.513, 290.102



47, 3.808, 235.572



49, 39.450, 260.563



13, 15.673, 251.735

Previews

White Background



This preview shows how the CIELCh color 70, 42.170, 51.432 looks on a white background.

Color Contrast Check

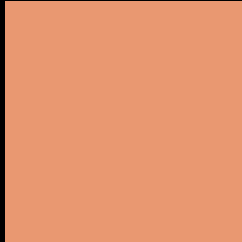
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 70, 42.170, 51.432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

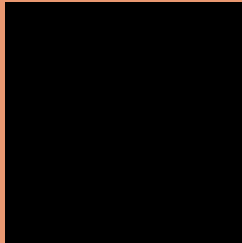
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 42.170, 51.432

Background



This preview shows how black text looks on a background with the CIELCh color 70, 42.170, 51.432.



This preview shows how white text looks on a background with the CIELCh color 70, 42.170, 51.432.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

70, 42.170, 51.432

Protanopia

70, 27.721, 95.159

Deuteranopia

70, 35.152, 75.121



Tritanopia
70, 36.321, 13.836

Trichromacy



Original Color
70, 42.170, 51.432

Protanomaly
70, 30.162, 74.978

Deuteranomaly
70, 36.709, 65.005

Tritanomaly
70, 36.448, 28.703

Monochromacy



Original Color
70, 42.170, 51.432

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 14.006, 53.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 42.170, 51.432 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(233, 152, 113)` looks like.

```
.text, #text, p{  
    color:rgb(233, 152, 113)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(233, 152, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 152, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 42.170, 51.432 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(233, 152, 113) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(233, 152, 113) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(233, 152, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 152, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 152, 113);  
box-shadow:4px 4px 4px 4px rgb(233, 152,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 42.170, 51.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 152, 113) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(233,  
152, 113) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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